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THE PLOTTER

CLACKAMAS COUNTY AREA T/S
USERS GROUP
NEWS LETTER
****
VOLUME 4 ** NUMBER 9
******
SEPTEMBER 1986

EDITED BY: DICK WAGNER
CHAIRMAN: SID WYNCOOP
V/CHAIRMAN: DICK WAGNER
SECRETARY: JACK ARMSTRONG
TREASURER: ROD GOWEN
PR OFFICER: BOB EVANS
LIBRARIAN: ROD GOWEN

****

MEETING

The SEPTEMBER meeting will be:

on: FRI., SEPTEMBER 12, 1986
at: 7:30 P. M.
in: COMMUNITY ROOM
FAR WEST FEDERAL S & L
OREGON CITY SHOPPING CENTER

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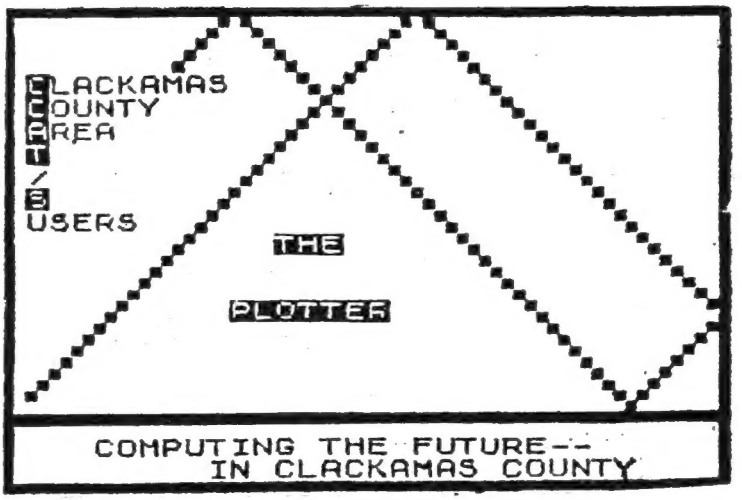
WHAT YOU WILL FIND IN THIS ISSUE-

MEETINGS----------PAGE 1
CHAIRMAN'S CORNER ------PAGE 1
SECRETARY'S SECRETS-----PAGE 2
FROM THE EDITOR'S DESK--PAGE 2
P & R-ILLUSIONS
(REVISED)---PAGE 3
NEW QL MAGAZINE --------PAGE 3
COMMENTS ON COMPUSERVE--PAGE 4
PICNIC TIME----------PAGE 4
BITS AND BYTES----------PAGE 5
WORD PROCESSING---------PAGE 6
HARDWARE--REGULATOR
MODIFICATION FOR 2068--PAGE 6
THE QL CORNER----------PAGE 7
HELP LINE----------PAGE 7
/MEMBERSHIP/SUB RATES
PICNIC MAP----------PAGE 8



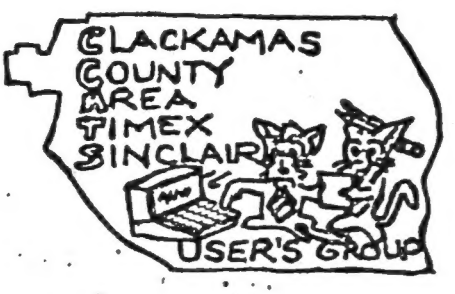
Chairmans' Corner

I need to thank Dick again for filling in for me. Things are beginning to settle down now and I should be in town more often. I'll bet Dick didn't think that he would have to work so hard! Thank You Dick!

I stirred up the subject of SIG's in my last chat. As I write this, I've not had the opportunity to review the last meeting with Dick. Therefore, I would like to tackle SIG's at the September meeting if it was not discussed in my absence.

We still need a librarian. Our group has a very nice library and it would be a shame to allow it to fade away. I know I have benefitted greatly from the library and I've not even scratched the surface of what is available.

I hope you are all concluding a wonderful summer. Until we meet again, may God bless you and your family.



SECRETARY'S SECRETS

by Jack Armstrong

Dick Wagner opened the August meeting at 7:50 p.m. and called for the Treasury report. Rod gave the figures which showed the club again in sound financial condition. Dick reminded the gathering that Rod brings refreshments to each meeting on a non-profit basis and suggested that we be generous enough in feeding the kitty to cover Rod's expenses.

Under New Business, Dennis Jurries talked about the possibility of the club getting sew-on patches made of the club logo. He had tentative figures and volunteered to write an article for the Plotter to outline in depth the charges involved. After some discussion, Ed Fry, who has a Russian Punch, volunteered to make up a sample to bring to next meeting to show to the members. A letter from Robert Samuels offers his 1000 with a 16k memory pack and 3 books for $20. If you are interested, get in touch with Rod or Dick. There was discussion about a SAMS book on computer facts and Tim Woods offered to donate one to the club library.

Tim reported on his Time Designs Open House which he has scheduled for Sat., August 30th from Noon to 5:00 p.m. at his home/shop at 29722 Hult Rd. in Colton. Weather permitting, there will be a picnic, Open House, door prizes, vendors, a swap shop, displays and writers present to confer with. Call him at (503)824-2658 to confirm your intentions, as he will be furnishing some refreshments--he suggests you bring your own food, utensils, blankets, & your computers; there will be lots of outlets for all to use. RMG Enterprises and TOAD'L Printing will be there with displays or freebies.

Dick brought up the Word Processor Symposium and it was decided to hold this at our November meeting. Be a part of this by bringing your system and programs. Articles for the Plotter on this (or any subject) are encouraged. Other subjects, including Ham Radio and computer articles were discussed. Meeting adjourned.

FROM THE EDITOR'S DESK

Our first meeting after the 'summer break' was on the light side for attendance but from the Secretary Minutes the reader will note that lively discussions took place. Ex-member Gaylor Bench was present with his TS 1000 and an operating (later) WORM word processor. Dennis Jurries demonstrated the R/PM system developed by AERCO. Rod Gowen had several operating systems plus a new full size printer manufactured by AXIOM of San Fernando CA (IMP-4 at a very attractive price).

My point is that each meeting missed is an opportunity lost to learn something different and new. Our organization is active and provides a monthly forum for TS users. All of this helps members to get increased use from equipment, probably far more than ever anticipated when that first computer was purchased.

We do need to expand our membership to give us an increased base for officer selection, meeting attendance, and user input at meetings and articles/programs for our newsletter. We need more suggestions for attracting new members and keeping old ones. Expect this to be a periodic point for discussion at future meetings.

Members are encouraged to bring equipment to meetings to demonstrate their interests, and as in Gaylon's case, get help when it is needed. It seems that each meeting has demonstrations by the same few members. There is always room for more.

Continued from page 4.

This can be a great afternoon for members of CCAT/s, PATS, and subscribers to TDM. Participate and help make Tim's plans come true. NOTE: If it rains there will be a rain check.

See a direction map to TDM, 29722 Hult Rd. Colton, printed elsewhere in this issue, and learn where Colton is.

ILLUSION:

A RECAP

by:

ROD GOWEN

and

TAD HENDRICKSON

I want to apologize to any of you who went to the trouble to type in this program out of the last issue of The Plotter and found that it would not run! I guarantee that this time it will run for you. Please try it again and see.

I have played with it a little and have put together a couple of alterations that you may enjoy trying.

After typing in the listing and running it, BREAK to BASIC and try changing the display in one of the following ways:

Try adding ":CLS" to the end of Line 280, PRETTY FLASHY, HUH!

Try deleting the ":CLS" from Line 70. WATCH THIS ONE IF YOU CAN!!

Be sure to try some of the direction changes as described in the documentation in last months' Plotter.

I think that you will enjoy this one. Try the changes and try some of your own.

HAVE FUN!!!

```
  5 PAPER 0: BORDER 0
 10 FOR a=65510 TO 65521: READ b
yte: POKE a,byte: NEXT a
 20 FOR a=65522 TO 65533: READ b
yte: POKE a,byte: NEXT a
 30 LET p2=PI/2: LET sp=p2/9
 40 LET ep=sp/5: LET dt=PI/15
 50 LET b=1
 60 FOR v=1 TO 5
 70 INK 7: CLS
 80 PRINT AT 21,5;"...constructi
ng view#";v
 90 LET dp=ep*v
100 FOR i=dp TO PI STEP sp
110 LET a=COS (i)
120 LET first=1
130 FOR t=0 TO PI STEP dt
140 LET x=a*SIN (t)
150 LET y=b*COS (t)
160 LET px=x*60+127
170 LET py=y*60+115
180 IF first THEN  PLOT px,py: L
ET first=0
190 IF NOT first THEN  DRAW (px-
(PEEK 23677)),(py-(PEEK 23678))
200 NEXT t
210 NEXT i
220 PRINT AT 21,0;"
                  "
230 READ code
240 POKE 65512,code
250 RANDOMIZE USR 65510
260 NEXT v
268 CLS
270 RESTORE 420
280 FOR v=1 TO 5
290 READ code
300 POKE 65527,code
310 RANDOMIZE USR 65522
320 NEXT v
330 GO TO 270
400 DATA 17,208,0,33,0,64,1,0,16
,237,176,201
410 DATA 17,0,64,33,208,0,1,0,16
,237,176,201
420 DATA 132,148,164,180,196
```

A NEW QL MAGAZINE

Dick Wagner

Quantum Levels is the name of Thomas Woods' latest production. It is a bi-monthly containing product reviews, hardware projects, program listings, tips on SuperBasic, and hints on using the QL line of software, particularly that bundled with the computer. Like Sync Ware News, Quantum Levels is limited to just a single computer. Readers of Computer Updates , Sync Ware News, and Breakthrough are well acquainted with Tom Woods and his quality products. For $18.95 annual, QL users can enjoy their own magazine published in Tom Woods style. Subscribe by writing to Quantum Levels, P. O. Box 64, Jefferson, NH 03583.

Authors interested in submitting material can write to Quantum Levels.

COMMENTS ON COMPUSERVE

by: ROD GOWEN
CIS# 70436,1542

CIS: That stands for COMPUSERVE INFORMATION SERVICE. The definition is for those of you not familiar with the service.

BASICS- PART 5- Back to step one- Or-How to start over!

I thought that I would, by this time, have you on CIS and in the SIG for TS users. Well, if you are, then you will know what I am talking about here!

I neglected to log on for a couple of days at the end of July and when I came back, I had to re-learn the rules on the Forum! They had installed a new software package that was different. I will give you the most important change here to save you the time that I had to spend finding out how to use it.

When you log onto CIS and GO CLUB, you will get about the same greeting as you did before, but you will begin to notice the difference as soon as you start to read your messages! You will not be able to get an option to take you back to the main FUNCTION MENU. To do this, just type in "T" at any prompt. The other thing that you will notice is that you are reading ALL messages! I do not, and I am sure that you do not, want to read ALL. To correct this you must, from the FUNCTION MENU, choose the SETUP OPTION, #7. At the next prompt you will choose #5 to set subtopics. This will give you a list of topics. You must type the # of the ones that you DO NOT WANT TO READ! That will turn them off. I use #5 & #6, TS and QL. Then all is as before with, I think, a much nicer message printout.

NEXT TIME-We will take another look at the main CIS menu. You may be in for a suprise or two. There is a lot to look at here...
(Postponed from last time)

I have used the LIBRARY several times, both with my 1000 and with the 2068 and have DOWnloaded many of the files that are there. It is not a difficult job to do so. There are only a couple of simple rules to keep in mind when DOWnloading a file: IF IT IS A PROGRAM, EITHER MC OR BASIC, YOU MUST HAVE YOUR MTERMII BUFFER TRANSLATOR SET TO <HEX>. IF IT IS A DOCUMENT FILE, YOUR CONVERSION SHOULD BE SET TO <NONE>. WHEN YOU ARE READY TO ACCEPT THE DATA, (DOWNLOAD), YOU MUST CHOOSE THE PROPER CAPTURE METHOD. IN OUR CASE DC2-DC4. IF YOU HAVE XMODEM PROTOCOL THEN YOU CAN USE THAT METHOD. (IT IS MUCH FASTER AND HAS ERROR TRAPPING, DC2 DOES NOT.) DO NOT BE ALARMED WHEN YOU SEE WHAT IS COMING UP ON YOUR SCREEN! IT MAY LOOK LIKE A LOT OF GARBAGE, BUT HANG IN THERE UNTIL THE COMPUTER CLOSES YOUR BUFFER. THEN YOU CAN VIEW THE BUFFER, OR EXIT TO BASIC AND SAVE THE CONTENTS OF THE BUFFER.

NEXT TIME-We will take another look at the main CIS menu. You may be in for a suprise or two. There is a lot to look at here...

Hope to see you here-----

PICNIC TIME

Dick Wagner

Tim and Stephanie Woods are hosting a B.Y.O. picnic at the Time Designs office in Colton. The new office is an expansion coming none to soon, now that there is a Timothy Jr. in the family. Save Saturday August 30 12:00 to 5.00 PM for an opportunity to meet with other CCAT/S, PATS, and their spouses and see their children in action.

According to Tim's plans, there will be a chance to meet some of the TDM writers, see some of the latest equipment and supplies available from RMG Enterprises, set up your own computer equipment to demonstrate, do some trail hiking (Colton has the trails nearby), meet the printers of TDM, participate in door prizes, and even some 'old stuff' swapping.

Continued page 2

BITS & BYTES

by: ROD GOWEN

Heard any news about the Sinclair/ Timex line of products lately? Have you received any information in the mail from other users, user groups, or vendors that may be of interest to our readers? If so, why not share it with us? We need all of the help that we can get. Please send any info that you might have to: Rod Gowen, C/O CCAT/S, 1419 1/2 7th Street, Oregon City, OR 97045, or, phone in at: 503/655-7484, 10 AM- 10 PM weekdays. I know that the entire user group will appreciate it!

TIME DESIGNS MAGAZINE-is having a open house to celebrate the newly remodeled facilities that will house the magazines' business offices. Tim Wood, Editor and publisher, has invited all CCAT/S and PATS members as well as all of the subscribers in the Northwest that can make it. It is scheduled as a Pot-luck picnic as well. Bring your own food and utinsils and the whole family. There will be door prizes and a lot to see and do. RMG will be there with a lot of products on display. There will more than likely several members of our group there with equipment to show.

The time: 12 Noon to 5 PM
The place: TDM
29722 Hult Rd
Colton, OR 97017
(503) 824-2658

I'll be looking forward to meeting a lot of you there.

THOMAS B. WOODS-has a new magazine out! The name is QUANTUM LEVELS. It is, as you can guess by the name, for the QL. I do not know what the price is as yet. We will let you know as soon as we do. The first issue is a real nice looking mag. He is using the same format as SYNCWARE NEWS. With Tom Bent as editor and Fred Nachbaur as Technical editor, it should be a real winner. It is due to come out 6 times a year.

Continued from column right

Well, having run out of space before I ran out of news, I have to stop for this time. Till next time--

A+ COMPUTER RESPONSE-tells us that there are no more QL RGB monitors in the warehouse. What the dealers have is all there will be. They say that they will have a choice of monitors for the dealers to sell, ranging from a $150 monochrome 80 column to a $700 top of the line RGB with a Magnavox in the middle. The midprice will be about $400. They also tell me that they are going to have a lot of new products for the QL available soon to the dealers. Look for more support.

KNIGHTED COMPUTER-has finally released two new (to us) programs. We now have CRITICAL MASS and SABOTEUR from DURELL software. Your local dealer will probably be carrying these GREAT new graphics games. See the review of SABOTEUR in the last issue of Time Designs. They are due to bring out a few more new titles in the near future.

RMG ENTERPRISES-is offering to send special sheets and new product news to any who wish to receive it if you just send in 12 SASE (legal sized). You will get, with your first months mailing, a coupon good for $5 off on your next regular catalog order. Send to the address on the back page of this newsletter.

OUR LIBRARY-is very extensive and if you are interested in a particular subject, you should try finding it in the Library. With the index in a good database, you can call or stop by to see what information is in there for you to use. Why pay for information that you already have access to? Use your library, it will help you.

RECRUITERS NEEDED!-We would appreciate any and all help in getting the news out that we are here and are willing to help and support any and all TS users in our area. We want you to let people know what and where we are. We have posters for you to put up, signs to post, etc. Talk to any people that you know who have TS units. They can join us!!!! of fun!

Continued on left column

WORD PROCESSING

Dick Wagner

Well, it looks like CCAT/S members are going to have the November meeting devoted the fine art of word processing. Before the reader skips to the next article, learn what a word processor is. Among many defintions this will suffice--A computer-based system for writing, editing, and formatting documents such as letters, reports, and books. It may be either a specialized hardware system, or a program package run on a general purpose computer*.

I presented the suggestion at the August meeting. It is my idea that there are now enough different computers, programs, printers, and storage devices within our organization that the many systems being used would be of interest to all members. We can set up enough tables so there will be adequate space. Power lines can be run for all equipment. Demonstrations will be important.

While it means bringing your own equipment, this shouldn't be asking too much. After all, only a few members usually bring equipment. If someone has a good program but CAN'T bring the 'system', try to arrange with someone for time to do a demonstration. My suggestion is that there should be a show of at least each different program. There are many word processing programs available so the effort should be to display as wide a range as possible for all the T/S computers.

For my self, I plan to demonstrate the system I use to write up the articles for THE PLOTTER, keep record of the current articles, formats for the various pages, mailing lists, membership list, and my disk directory.

*The Timex /Sinclair User's Encyclopedia by Gary Phillips and James C. Marsh

REGULATOR MODIFICATION TO 2068 POWER SUPPLY

Bob Evans

On checking the output of my power supply in my 2068 I found it to be putting out 22 volts. I felt this placed an undue work load on the 2068 so I modified the power supply with a pre-regulator.

All of the parts can be obtained at Radio Shack. Below is the parts list.

PART	RS NUMBER
Voltage regulator	276-1778
IC Board	276-1394
Experimenter Box	270-230
PC Pot. 5K	271-217
Capacitor .01uf	272-1065
" 1uf	272-1434
Resistor 270 ohms	271-016
Heat Sink	276-1363

As I am always playing around with little experiments instead of getting the individual items I got the assorted packages.

Capacitors	272-801
"	272-802
Pots & trimmers	271-1605
Resistors	271-306
"	271-308

The main result I found in this change was a lot less noise on my tapes.*

Part No. 276-1778, the LM317T (voltage regulator) has a parts list and instruction on the back.

In my case I used a small piece of aluminum angle drilled full of holes like a Swiss cheese in my heat sink, this let me drill and tap a hole to hold the cover in place. I used Silicone rubber to bond the board to the back of the original power supply, then cut and connected the supply line to the 2068. Be carefull to maintain the correct polarity (this is DC current) at all times.

I set the voltage at 15 volts (the voltage called for by the 2068). Ed-

Continued page 7

QL Qorner

Vince Lyon

Before we begin this month, I have heard from some that the programs thus far printed did not appear on the screen as intended. Since most of the QLs out there are running on TVs and not monitors, all the programs have been designed for a TV display. Before you enter this program, make sure that you are in TV mode. You can always redesign the program if you wish.

This months program is just a fun little demo of the turtle graphics. As anyone who has experimented with turtle graphics can attest, this isn't a true example of the full capabilities of that turtle. But, it does serve to demonstrate the basic commands available on the QL.

Since, by now, you all know how to use DEFined PROCedures, I put all the turtle commands in a PROCedure called "doit". All the print locations & ink colors are contained within the DATA statements.

In using turtle graphics as designed for the QL, it is nice to note that the commands POINT & TURNTO may be variables, calculated from within the program or assigned by a DATA & READ statement.

Back to old business - We're still looking for additional input for this column. If you have discovered some amazing (or not) little trick, or have a question about a command, or a comment (civil), we would like to hear from you. Remember that this column is intended to be a resource for ALL QL users, and not just a place for me to present my views.

Continued next column

Continued from page 6

Measure with load on. At about 12-13 volts you loose your color. The voltage can be set any where from 0 to power supply maximum.

*Members at the August meeting were reminded that Timex computers lacked several filter capacitors in the power circuit. These are in the XZ81 and serve the same purpose as the 2 called for.

```
10 PAPER 0:CLS:CLS #0
20 FOR m=14 TO 18 STEP 2
30 RESTORE : PAUSE 60: CLS
40 FOR x=1 TO 5
50 READ a,b,c
60 doit
70 DATA 30,27,1,80,27,2,130,27,3
80 DATA 55,72,4,105,72,5
90 NEXT x
100 NEXT m
110 a=80:b=54:c=7:m=30: doit
120 FOR z=1 TO 7:c=z:doit:NEXT z
130 RECOL 0,2,0,2,0,0,0,6
140 PRINT #0\\,"That's all folks ";
150 PAUSE 240: RUN
160 DEFine PROCedure doit
170 POINT a,b
180 INK c
190 PENDOWN
200 TURNTO 0
210 FOR k=1 TO 28
220 MOVE m:TURN 90
230 MOVE m:TURN 90
240 MOVE m:TURN 90
250 MOVE m:TURNTO m*k
260 NEXT k
270 END DEFine
```

HELPhelpHELP_____

LINElineLINE_____

Reader's Problem: When using the dual A&J Microdrives with Tasword II and calling for a SAVE to the second drive (Drive #1) when Drive #0 has no wafer, he gets an Invalid Stream Report and program comes to an abrupt halt. However, the SAVE works fine if a wafer (even blank) is in Drive #0. Seems to be a flaw somewhere--but what? Drives are supposed to operate independently from each other, but this seems to indicate that the interface is checking for wafer presence in Drive #0 although no action will take place there. If anyone has suggestions on a cure, or even an explanation to set his mind at rest, it would be appreciated.

One additional piece of information might be in order: nothing goes wrong when a LOAD is called in the same curcumstances--the program simply LOADs and continues without problem.

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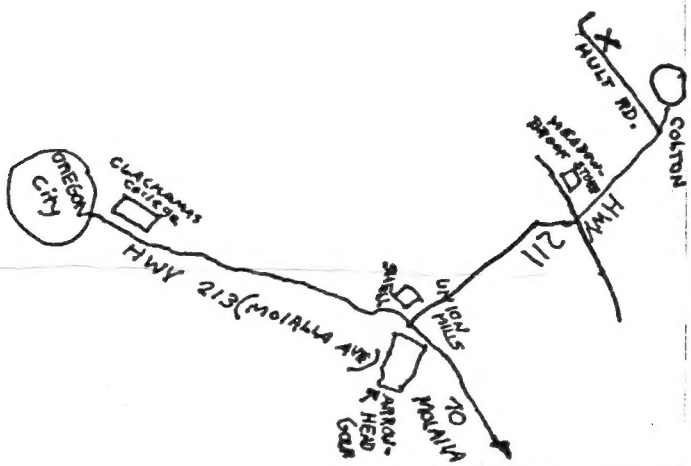

Time Designs is located outside of Colton, OR, at 29723 Hult Road. Take Highway 213 from Oregon City going toward Molalla. When you come to the Highway 211 junction, you will want to turn left onto Hwy. 211 (Union Mills Rd.) going toward Colton. When you hit the Meadowbrook Junction (a 4-way stop), there is only about 3-1/2 miles left to go. Make a left onto Hult Road. Just before you reach the "S" curve, take the second driveway on your right. Look for the cabin in the trees. You have now found the Woods residence. (If you find yourself going up the hill into Colton, you just passed the Hult Road intersection.)

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